

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Peter Nangle                      Art Unit : 2824  
Serial No. : 10/043,993                      Examiner : Andrew Q. Tran  
Filed        : January 9, 2002                Assignee : Intel Corporation  
Title        : PHASE-CHANGE MEMORY DEVICE CAPABLE OF PREPROGRAMMING  
                  MEMORY CELLS OPTICALLY AND READING/WRITING MEMORY  
                  CELLS ELECTRICALLY (AS AMENDED)

**MAIL STOP ISSUE FEE**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Notice of Allowance Date: May 30, 2006

RESPONSE TO NOTICE OF ALLOWANCE

In response to the Notice of Allowance mailed May 30, 2006, enclosed is a completed issue fee transmittal form PTOL-85b.

The Issue and Publication fees in the amount of \$1700 are being paid concurrently herewith on the Electronic Filing System (EFS) by way of Deposit Account authorization. Please apply any other charges or credits to Deposit Account No. 06-1050.

COMMENTS ON EXAMINER'S REASONS FOR ALLOWANCE

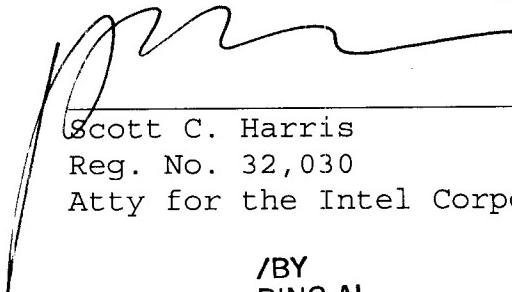
It is agreed that the limitations recited in the examiner's Reasons for Allowance are not taught or suggested by the art of record, and that the allowed independent claim 30 is distinguished from the cited prior art for at least the reasons stated in the Reasons for Allowance. Applicants do not concede that the stated reasons are the only grounds for patentability of the allowed claims, that the limitations excluded from the Reasons for Allowance are taught or suggested by the art of record, or that all of the limitations are necessary for patentability of the allowed claims or other claims directed to the disclosed subject matter. For example, other claims

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Attorney's Docket No.: 10559-  
512001 / P12416

including different limitations are patentable over the cited prior art.

Respectfully submitted,



\_\_\_\_\_  
Scott C. Harris  
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Atty for the Intel Corporation

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REG. NO. 43,312

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## PART B – FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to:

Mail      **Mail Stop ISSUE FEE**  
**Commissioner for Patents**  
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or Fax      **(571) 273-2885**

**INSTRUCTIONS:** This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 4 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Legibly mark-up with any corrections or use Block 1)

20985            7590            05/30/2006

**FISH & RICHARDSON P.C.**  
**P.O. Box 1022**  
**Minneapolis, MN 55440-1022**

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/043,993	01/09/2002	Peter Nangle	10559-512001/P12416	8075

TITLE OF INVENTION: **NON-VOLATILE MEMORY AND PROGRAMMING METHOD THEREFOR PHASE-CHANGE MEMORY DEVICE CAPABLE OF PREPROGRAMMING MEMORY CELLS OPTICALLY AND READING/WRITING MEMORY CELLS ELECTRICALLY (AS AMENDED)**

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1400	\$300	\$1700	08/30/2006

EXAMINER	ART UNIT	CLASS-SUBCLASS
TRAN, ANDREW Q.	2824	365-163000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).	2. For printing on the patent front page, list (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.	1. <u>Fish &amp; Richardson P.C.</u>
<input type="checkbox"/> Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.		2. _____
<input type="checkbox"/> "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. <b>Use of a Customer Number is required.</b>		3. _____

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. Inclusion of assignee data is only appropriate when an assignment has been previously submitted to the USPTO or is being submitted under separate cover. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

Intel Corporation

Santa Clara, CA

Please check the appropriate assignee category or categories (will not be printed on the patent):  individual  corporation or other private group entity  government

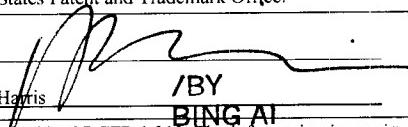
4a. The following fee(s) are enclosed: <input checked="" type="checkbox"/> Issue Fee <input checked="" type="checkbox"/> Publication Fee (No small entity discount permitted) <input type="checkbox"/> Advance Order - # of Copies _____	4b. Payment of Fee(s): <input type="checkbox"/> A check in the amount of the fee(s) is enclosed. <input type="checkbox"/> Payment by credit card. Form PTO-2038 is attached. <input checked="" type="checkbox"/> The Director is hereby authorized to charge the required fee(s), or credit any overpayment, to Deposit Account Number 06-1050 (enclose an extra copy of this form).
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5. Change in Entity Status (from status indicated above)

a. Applicant claims SMALL ENTITY status. See 37 CFR 1.2.7.

b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

The Director of the USPTO is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above.
NOTE: The issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant, a registered agent or; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

(Authorized Signature) 	(Date) _____	August 1, 2006
Typed or Printed Name Scott C. Harris	BY 	Registration No. 32,030

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 1,314. 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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